

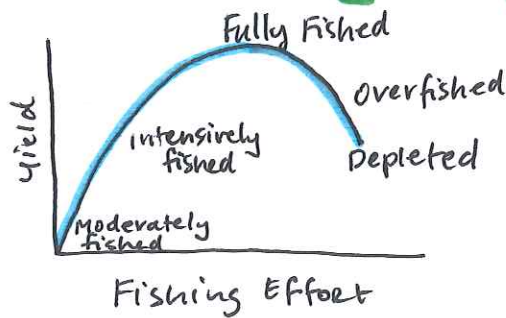
(SY)

Sustainable Yield: How Much Can We Harvest?

3.2.5 Explain the concept of sustainability in terms of natural capital and natural income.

* **Sustainability** living within the means of natural income.

↳ Means you can use the resources without reducing the natural capital.



Makes Certain Assumptions:

- * Pop is evenly aged
- * Harvest affects everyone equally in the pop.

* Humans are using resources well past SY & Natural income.

3.2.7 Calculate and explain sustainable yield from given data

$$SY = (\text{Total Biomass OR Energy @ } t+1) - (\text{Total Biomass OR Energy @ } t)$$

← for plants/fungi

$$SY = (\text{annual growth rate + recruitment}) - (\text{annual death \& emigration})$$

← for populations of organisms